Event

MPTS AJET
STK 4101 – STK 4104
T-45

Mission

STRIKE

1.1 HOURS/X

ORM

STK 4101 - 4104

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

STK 4101 - 4104

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

SSR/DISCUSS ITEMS

STK 4101 - 4104

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **PREREQUISITES:**
  - **STK 3106**
  - **STK 2101**

- **DISCUSS ITEMS:**

STK 4101
- **NATOPS/SOP/EP QOD**
- **HIGH-ANGLE-OFF-TAIL RENDEZVOUS**
- **RENDEZVOUS**
- **NONCRITICAL MISSION TASKS**

STK 4102
- **NATOPS/SOP/EP QOD**
- **FORMATION SAFETY**
- **MIL SETTINGS**
- **MASTER ARM SAFETY**
- **INADVERTENT WEAPONS RELEASE**

DISCUSS ITEMS CONT'D

STK 4101 - 4104

- **DISCUSS ITEMS:**

STK 4103
- **NATOPS/SOP/EP QOD**
- **WIND CORRECTIONS**
- **OFFSET AIMPOINT**

STK 4104
- **NATOPS/SOP/EP QOD**
- **WIND CORRECTIONS**
- **OFFSET AIMPOINT**
- **ARMAMENT SYSTEM**
- **MANAGEMENT ERRORS**
- **ORDNANCE RELEASE TROUBLESHOOTING**

SYLLABUS NOTES

STK 4101 - 4104

A. THESE EVENTS WILL BE FLOWN FROM THE FRONT COCKPIT.

B. BRIEF 2+00 PRIOR TO TAKEOFF FOR STK 4102.

C. STK 4101 SHALL BE FLOWN WITHOUT ORDNANCE LOADED. THE PURPOSE OF THIS FLIGHT SHALL BE TO REACQUAINT STUDENTS WITH FOUR-PLANE FORMATION PROCEDURES AND INTRODUCE HIGH-ANGLE-OFF RENDEZVOUS PROCEDURES.

D. STK 4101 SHALL INTRODUCE A HUNG ORDNANCE APPROACH. STUDENTS WILL BE EXPOSED TO 30, 20, AND 10 DEGREE PATTERNS.

SYLLABUS NOTES CONT'D

STK 4101 - 4104

E. STK 4102 SHALL INTRODUCE WEAPONS PREFLIGHT AND HUNG ORDNANCE CHECKS. STUDENTS SHOULD FLY BOTH 30 DEGREE AND 20 DEGREE PATTERNS.

F. STK 4103 WILL CONCENTRATE ON THE 30 DEGREE PATTERN.

G. STK 4104 SHALL INCLUDE THE 30 DEGREE PATTERN AND 10 DEGREE PATTERN. BOMBS DO NOT NEED TO BE RELEASED IN THE 10 DEGREE PATTERN.

H. FOR STK 4102-4, A MINIMUM OF FOUR BOMBS DELIVERED IS REQUIRED TO COMPLETE EACH EVENT.

I. STUDENTS MUST COMPLETE THREE OFF-TARGET RENDEZVOUS WITHIN BLOCK.

ADMIN (CARD)

STK 4101 - 4104

- **A/C – ATC C/S – CREW**
- **BRIEF / WALK / TAKEOFF / LAND TIMES**
- **ATC CLEARANCE / DD-175**
- **FUEL PLAN/LADDER**
- **LINE / T/O / ABORT / RPM**
- **COMM PLAN**
- **NAV PLAN**

ADMIN

STK 4101 - 4104

- **LAUNCH**
  - **WEATHER / NOTAMS / TFR / BASH**
  - **PREFLIGHT / START / TAXI**
  - **ITO**
  - **SWAPPING OF CONTROLS**
  - **ENROUTE PROCEDURES**
  - **RADALT USAGE**

- **RTB**
  - **RECOVERY**
  - **DIVERTS**

CONDUCT

STK 4101 - 4104

- **TIMS RESUME REVIEW**

- **PRACTICE:**
  - **CHECKLISTS/COMM/GROUND OPS**
  - **TAKEOFF/DEPARTURE/FLIGHT ADMIN**
  - **TACTICAL ADMIN**
  - **HUNG ORDNANCE APPROACH**
  - **TAKEOFF**
  - **RENDEZVOUS**
  - **FORMATION WING**
  - **MACH RUN**

CONDUCT

STK 4101 - 4104

- **PRACTICE CONTINUED:**
  - **30 DEGREE PATTERN/BOMBS**
  - **20 DEGREE PATTERN/BOMBS**
  - **10 DEGREE PATTERN/BOMBS**
  - **ROLL-IN**
  - **TRACKING/DIVE ANGLE**
  - **ERROR CORRECTIONS**
  - **RELEASE/FIRING PARAMETERS**
  - **DIVE RECOVERY**
  - **ACCURACY**

BLOCK MIF

STK 4101 - 4104

Block MIF

CTS REF	MANEUVER	STK4104
1	General Knowledge/Procedures	4+
2	Emergency Procedures	4
3	Headwork/Situational Awareness	3+
4	Basic Airwork	4+
5	Mission Planning/Briefing/ Debriefing	4+
6	Communications	4+
7	Ground Operations	4+
8	Flight Admin	4+
9	Tactical Admin	4+
50	Hung Ordnance Approach	4+
30 10	Takeoff	4+
11	Rendezvous	4+
32	Formation Wing	4+
49	Mach Run	4+
49	30-Degree Pattern/Bombs	4+
49	20-Degree Pattern/Bombs	3

CTS REF	MANEUVER	STK4104
49	10-Degree Pattern/Bombs	3
49	Roll-In	4+
49	Tracking/Dive Angle	4+
49	Error Corrections	4+
49	Release/Firing Parameters	3+
49	Dive Recovery	4+
49	Accuracy	3+
50	Off-Target Rendezvous	4+
21	Precautionary Approach	4
23	Landings	3+

Emergencies

STK 4101 - 4104

- **WX/TIMING NO-GO**
- **FALL OUT PLAN / ABORTS**
- **SINGLE RADIO/NORDO/ ICS FAIL**
- **RWY DEP / GND EJECTION**
- **LOSS OF NAVAIDS**
- **LOST SIGHT/LOST INTERVAL**
- **SYSTEM FAILURES**
- **LCLS**
- **DISORIENTATION**
- **BIRD STRIKE/ MIDAIR**
- **EJECTION**
- **SAR PROCEDURES**
- **INTERLOPER**
- **LAME DUCK/REJOIN PLAN**
- **SIMO RUN**
- **TACTICAL ABORT CRITERIA**
- **TGT FIXATION**
- **LOW PULLOUT**
- **OVERSTRESS**
- **CONT. PROB IN DIVE**
- **UNDERRUN**
- **HUNG ORDNANCE**
- **AIRCREW COORDINATION**
- **ORM/TTO**
- **BETS**

STANDARD DEBRIEFING FORMAT

STK 4101 - 4104

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED